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(54) **Laser output detector**

(57) A laser output detector is provided which comprises: a convertor unit having a light sampling port to be located adjacent a projecting portion of a laser beam projector for sampling a fraction of a convergent portion of a laser beam projected from the laser beam projector or a fraction of a non-convergent portion of the laser

beam outside the convergent portion of the laser beam, and adapted to convert the sampled laser beam fraction into an electrical signal; and a detection circuit for computing the energy amount of the projected laser beam on the basis of the electrical signal outputted from the convertor unit.

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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 3012

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	DE 41 11 844 C (WEIDMÜLLER) 13 August 1992 (1992-08-13) * column 4, line 30 - line 54; figures *	1,5,8	601J1/42
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 445 (M-767), 22 November 1988 (1988-11-22) -& JP 63 177990 A (MITSUBISHI ELECTRIC CORP), 22 July 1988 (1988-07-22) * abstract *	1,2,6,8	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 April 2000	Examiner Ramboer, P
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 99 30 3012

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The members are as contained in the European Patent Office EDP file on
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28-04-2000

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